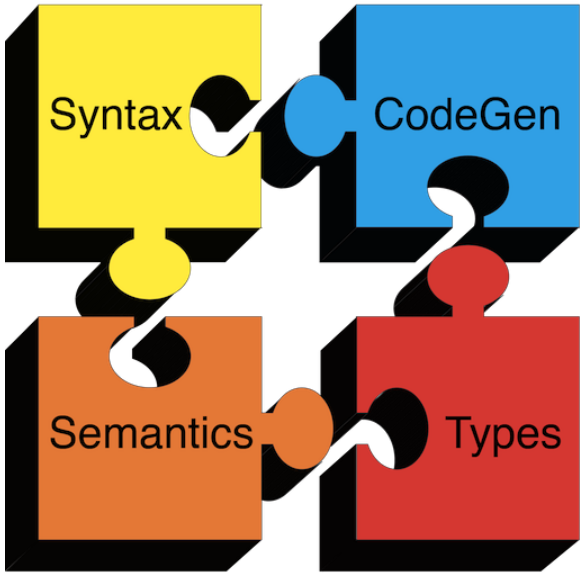

Compilers

The Economy of Programming Languages

Alex Aiken

Economy

- Why are there so many programming languages?
- Why are there new programming languages?
- What is a good programming language?

Economy

Why are there so many programming languages?

Application domains have distinctive/conflicting needs.

Economy

Why are there new programming languages?

Claim: Programmer training is the dominant cost for a programming language.

Economy

Why are there new programming languages?

Claim: Programmer training is the dominant cost for a programming language.

What is a good programming language?

Economy

Application domains have conflicting needs.

Programmer training is the dominant cost for a programming language.